

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/004908

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/869 A61K35/76 C12N7/01 C07K14/82 C12N15/11
A61K48/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, Sequence Search, WPI Data, BIOSIS, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WONG R J ET AL: "Oncolytic herpesvirus effectively treats murine squamous cell carcinoma and spreads by natural lymphatics to treat sites of lymphatic metastases"	1-46
A	HUMAN GENE THERAPY, vol. 13, 1 July 2002 (2002-07-01), pages 1213-1223, XP002971610 ISSN: 1043-0342 the whole document ----- -/--	47-89

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

18 July 2005

Date of mailing of the international search report

08/08/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>ESTILO CHERRY L ET AL: "The role of novel oncogenes squamous cell carcinoma-related oncogene and phosphatidylinositol 3-kinase p110alpha in squamous cell carcinoma of the oral tongue."</p> <p>CLINICAL CANCER RESEARCH : AN OFFICIAL JOURNAL OF THE AMERICAN ASSOCIATION FOR CANCER RESEARCH. JUN 2003, vol. 9, no. 6, June 2003 (2003-06), pages 2300-2306, XP002335918 ISSN: 1078-0432</p>	1-46
A	<p>page 2305, left-hand column, paragraph 3</p> <p>-----</p>	47-89
Y	<p>DATABASE EMBL 'Online! 22 February 2002 (2002-02-22), "Homo sapiens leucine zipper protein (SCRO) mRNA, complete cds." XP002335921 retrieved from EBI accession no. EM_HUM:AF456425 Database accession no. AF456425</p>	1-46
A	<p>the whole document</p> <p>-----</p>	47-89
A	<p>WO 03/008573 A (MILNER, ANNE, JOSEPHINE) 30 January 2003 (2003-01-30) page 13, lines 1-5</p> <p>-----</p>	48-89
P,Y	<p>US 2004/009541 A1 (SINGH BHUVANESH 'US! ET AL) 15 January 2004 (2004-01-15) page 15, paragraph 148 - page 18, paragraph 173 page 33, paragraph 318 page 28, paragraph 280</p> <p>-----</p>	1-46
P,X	<p>WO 2004/096142 A (NEW YORK UNIVERSITY; INGHIRAMI, GIORGIO; CHIARLE, ROBERTO) 11 November 2004 (2004-11-11) page 30, paragraph 110; sequence 4</p> <p>-----</p>	48-50,52

INTERNATIONAL SEARCH REPORT

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PCT/GB2004/004908

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 33, 42-44, 76, 85-87 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/004908

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03008573	A	30-01-2003	CA 2452653 A1 EP 1432799 A2 WO 03008573 A2 JP 2004535813 T US 2004235171 A1	30-01-2003 30-06-2004 30-01-2003 02-12-2004 25-11-2004
US 2004009541	A1	15-01-2004	NONE	
WO 2004096142	A	11-11-2004	US 2005005314 A1 WO 2004096142 A2	06-01-2005 11-11-2004